

Date: Mon, 18 Jan 93 04:30:24 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #75
To: Info-Hams

Info-Hams Digest Mon, 18 Jan 93 Volume 93 : Issue 75

Today's Topics:

 2m/70cm antenna
 430mhz band under th
 Cushcraft R7
 Daily Solar Geophysical Data Broadcast for 16 January
 Daily Solar Geophysical Data Broadcast for 17 January
Further evidence that CW should no be longer relevant was (Re: USCG cw changes)
 light-weight power supplies : Info. needed
 rsgb gb2rs news 17th november 1993
 Tektronix 491 spectrum analyzer/Tek 485 scope
 TR-9000 - experiences pse
 writing out -- --- -. in order to pass your exam

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 18 Jan 1993 03:20:58 GMT
From: munnari.oz.au!manuel.anu.edu.au!sserve!csadfa.cs.adfa.oz.au!
pgc@network.UCSD.EDU
Subject: 2m/70cm antenna
To: info-hams@ucsd.edu

Date: Sat, 16 Jan 1993 22:27:05 GMT
From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!knuth.mtsu.edu!

raider!theporch!jackatak!blakebow@network.UCSD.EDU
Subject: 430mhz band under th
To: info-hams@ucsd.edu

gwalsh@kilroy.Jpl.Nasa.Gov (Gerald J. Walsh) writes:

> Maybe some hams don't realize that radio sites are not always free?
> Myself and a friend maintain two UHF repeaters that are relatively cheap
> in terms of equipment cost. However, the people that own the building
> would like to be paid the rent for the space in it! In addition to that
> the Forest Service wants their annual "cut" also! By the end of the year
> we are looking at close to \$2000 in JUST SITE RENTAL BILLS!!
> operating the radio system.

Seems like you need to find a cheaper site.

Locally, there are many repeaters, including the locations on the highest points in the county, that HAM repeaters are located, which have been made available free, due to the public safety nature of HAM radio.

Local Commercial costs for repeater service on the Business bands, range from 25.00-45.00 a month, for a PROFIT machine, with fewer users than the HAM machines.

Are you all just poor business men?

--

blakebow@jackatak.raider.net (blake bowers)
-----jackatak.raider.net (615) 377-5980 -----

Date: 18 Jan 93 03:42:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: Cushcraft R7
To: info-hams@ucsd.edu

Hi,

I am visiting in Florida and a bunch of hams at this condo are planning to set up a Cushcraft R7 since they lost their beam in a recent move. As you know, most condos don't like antennas.

A question has been raised as to field strength and pacemakers. Does anybody know what the effects of 100 to 500 watts to an R7 would be on a pacemaker? How far away from the antenna should a pacemaker equipped person be expected to stay? Has anything been published by Cushcraft or in any scientific literature/ham magazines?

Please reply to sidb@pica.army.mil as I will not be reading the net mail this week.

73,
Sid WB2TNO

Date: 18 Jan 93 08:58:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 16 January
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 016, 01/16/93
10.7 FLUX=133 90-AVG=142 SSN=102 BKI=2210 2212 BAI=005
BGND-XRAY=B3.9 FLU1=4.7E+05 FLU10=9.7E+03 PKI=2211 2322 PAI=006
BOU-DEV=011,015,008,004,014,015,008,014 DEV-AVG=011 NT SWF=00:000
XRAY-MAX= C4.1 @ 0959UT XRAY-MIN= B3.5 @ 0456UT XRAY-AVG= B5.8
NEUTN-MAX= +003% @ 2355UT NEUTN-MIN= -001% @ 1510UT NEUTN-AVG= +0.9%
PCA-MAX= +0.1DB @ 2010UT PCA-MIN= -0.4DB @ 1530UT PCA-AVG= -0.0DB
BOUTF-MAX=55421NT @ 1440UT BOUTF-MIN=55397NT @ 1936UT BOUTF-AVG=55412NT
GOES7-MAX=P:+114NT@ 2012UT GOES7-MIN=N:+005NT@ 1015UT G7-AVG=+079,+024,+010
GOES6-MAX=P:+135NT@ 1955UT GOES6-MIN=E:-011NT@ 2230UT G6-AVG=+097,-001,+035
FLUXFCST=STD:135,140,135;SESC:135,140,135 BAI/PAI-FCST=015,010,005/015,010,010
KFCST=1234 5322 1233 4322 27DAY-AP=008,012 27DAY-KP=1011 2233 2334 2332
WARNINGS=
ALERTS=
!!END-DATA!!

Date: 18 Jan 93 08:04:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 17 January
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 017, 01/17/93
10.7 FLUX=126 90-AVG=142 SSN=089 BKI=2443 3211 BAI=013
BGND-XRAY=B3.2 FLU1=2.7E+05 FLU10=1.1E+04 PKI=2333 2211 PAI=009
BOU-DEV=015,042,053,031,020,013,005,008 DEV-AVG=023 NT SWF=00:000
XRAY-MAX= C5.0 @ 1436UT XRAY-MIN= B2.9 @ 1407UT XRAY-AVG= B5.1
NEUTN-MAX= +003% @ 2110UT NEUTN-MIN= -001% @ 1240UT NEUTN-AVG= +0.7%
PCA-MAX= +0.1DB @ 2310UT PCA-MIN= -0.4DB @ 0950UT PCA-AVG= -0.0DB
BOUTF-MAX=55417NT @ 0846UT BOUTF-MIN=55401NT @ 1933UT BOUTF-AVG=55410NT
GOES7-MAX=P:+101NT@ 2030UT GOES7-MIN=N:+006NT@ 1238UT G7-AVG=+071,+028,+011
GOES6-MAX=P:+120NT@ 2011UT GOES6-MIN=E:-009NT@ 0640UT G6-AVG=+089,-001,+038
FLUXFCST=STD:120,120,120;SESC:120,120,120 BAI/PAI-FCST=010,005,005/010,010,010
KFCST=1233 4322 1233 3221 27DAY-AP=012,011 27DAY-KP=2334 2332 1133 3333

WARNINGS=
ALERTS=
!!END-DATA!!

Date: Sat, 16 Jan 93 12:12:47 CST
From: swrinde!cs.utexas.edu!convex!news.oc.com!utacfd.uta.edu!rwsys!ricksys!
news@network.UCSD.EDU
Subject: Further evidence that CW should no be longer relevant was (Re: USCG cw
changes)
To: info-hams@ucsd.edu

[The original message was posted to r.r.shortwave,r.r.a.misc.
If anyone want to discuss CW's relevance in modern communications,
particularly with regard to Amateur Radio then followup-to r.r.a.policy]

lee@tossport.sv.com (Lee Reynolds) writes:

>Just an FYI for those of us that like to monitor such things....
>
>
> U.S. COAST GUARD TO DISCONTINUE WATCHKEEPING ON THE DISTRESS
> FREQUENCY 500 KHZ AND CEASE ALL MORSE CODE SERVICES
>
> Effective August 1, 1993, all United States Coast Guard
> Communication Stations and Cutters will discontinue watchkeeping on
> the distress frequency 500 KHZ, and will cease all morse code
> services in the medium frequency radiotelegraphy band. More
> efficient telecommunication systems are now available to provide
> the mariner with options for initiating or relaying distress
> alerts, and passing and receiving maritime safety information.

Is not the fact that the USCG is discontinuing use of Morse Code,
further indication that it is an antiquated mode that no one should be
required to learn it, at least 5 wpm should be enough?

As I practice CW I find it's not so hard but, unless I fall in love
with it I probably won't ever use it. If it takes me 30 minutes a day,
at least 5 days a week, for 4 weeks or more to get from 5 wpm to 13
could not this time be used for something better (not that wouldn't
waste the time)?

I'll listen to and (or) read any argument except, "You have to do it
because I had to," or "What if your in a plane that crashes and the
mike is broke and you can only communicate by touching two wires
together."

IF the USCG can see that cw is no longer an effiecient means of communicating, how long will it be required for Amateurs that want to communicate on HF?

--

Internet: rick@ricksys.lonestar.org

If I bounce (the maps have errors that I have no control over) then use bo836@cleveland.freenet.edu

BITNET: bo836%cleveland.freenet.edu@cunyvms

Date: 18 Jan 1993 06:18:13 GMT

From: swrinde!cs.utexas.edu!uwm.edu!psuvax1!coral.bucknell.edu!bucknell.edu!rose@network.UCSD.EDU

Subject: light-weight power supplies : Info. needed

To: info-hams@ucsd.edu

In article <1993Jan17.160202.46463@kuhub.cc.ukans.edu>, rsl09@kuhub.cc.ukans.edu writes:

|>

|> I am looking for light-weight power supplies with outputs in the range of
|> +/-10 to +/-20 volts, and currents up to 3 amps. I understand that
|> most of the power supply weight is due to the input transformer.

|>

|> Where can I get transformerless power supplies? Any help is
|> greatly appreciated.

|>

|> Hesany

|> Hesany@apl.washington.edu

|>

Look for a high frequency switching power supply. These types of power supplies either do away with the transformer totally or use a small, lightweight transformer. When switching at high frequencies, you can use much smaller transformers.

Date: 18 Jan 93 11:12:15 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!doc.ic.ac.uk!uknet!edcastle!wilde!graham@network.UCSD.EDU

Subject: rsgb gb2rs news 17th november 1993

To: info-hams@ucsd.edu

ted@tedb.demon.co.uk (Edward Batts) writes:

>Good morning. It's Sunday the 17th of January and here is the GB2RS news
>broadcast, prepared by the Radio Society of Great Britain.

Something wrong with the Subject line here I think. :-)

Graham Rule

Date: Mon, 18 Jan 1993 03:16:52 GMT
From: swrinde!gatech!paladin.american.edu!darwin.sura.net!sgiblab!starnet!
dont@network.UCSD.EDU
Subject: Tektronix 491 spectrum analyzer/Tek 485 scope
To: info-hams@ucsd.edu

Suggest you find W7NI in the callbook and phone him. Stan was Tektronix' ace of aces in Spectrum Analyzer sales. He sells a self-published book that tells the unvarnished truth about all the surplus Tek equipment.

Tell him hello from me. I haven't seen him in 3-4 years.

73
Don

Date: Mon, 18 Jan 93 06:54:02 GMT
From: usc!howland.reston.ans.net!paladin.american.edu!darwin.sura.net!
Sirius.dfn.de!th-ilmenau.RZ.TH-Ilmenau.DE!systemtechnik.tu-ilmenau.de!
tom@network.UCSD.EDU
Subject: TR-9000 - experiences pse
To: info-hams@ucsd.edu

Hello everybody,

I want to buy a allmode 2m-TRX. A TR-9000 is offered to me.
If you have experiences with such a trx or know some facts
(negative or positive) please reply me.
Thank you in advance.
Thomas, DL5ATP

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+-----+
| Thomas Planke Planke@Systemtechnik.TU-Ilmenau.DE |
| - - - - - |
| Technical University Ilmenau Phone: +49 3677/69-1465 |
| Dept. of Automation and Systems Engineering Fax: +49 3677/69-1446 |
| PF 327,Am Ehrenberg,D-06300 Ilmenau,Germany |
| - - - - - |
| (PacketRadio: DL5ATP@DB0RSV.DEU.EURO) ex: Y32JK |

+-----+

Date: Sat, 16 Jan 1993 21:53:59 GMT
From: sdd.hp.com!spool.mu.edu!darwin.sura.net!knuth.mtsu.edu!raider!theporch!
jackatak!blakebow@network.UCSD.EDU
Subject: writing out -- --- .-. in order to pass your exam
To: info-hams@ucsd.edu

miles@ms.uky.edu (Stephen D. Grant) writes:

> at a recent W5YI VEC testing, a female wrote down all .'s and -'s and
> was allowed to do so. she got her general (while 4 others struggled).
> i was going to use this "cheat" method myself. is it legal or not?
>

This method is legal, though sometimes it can be a fight to get people to accept it.

--

blakebow@jackatak.raider.net (blake bowers)
-----jackatak.raider.net (615) 377-5980 -----

Date: (null)
From: (null)

With the introduction of new conditions for the Novice licence in Australia, giving Novices access to the 70cm band, I have done a few experiments in using a J-Pole antenna on two bands.

Although theoretically it seems that it would not be possible to use one antenna on both bands, in practice one constructed for 2m can be used on 70cm by selecting a suitable compromise matching point on the transformer section.

I have done some rough pattern measurements that would indicate such an antenna (vertically polarised) is virtually omni-directional in the horizontal plane at two metres with about a 6db lobe upwards at about 30 degrees upwards. At 70cm the pattern is slightly directional in the direction of the longer element (away from the open side of the transformer) in the horizontal plane and there are some lobes up and down at roughly 60 degrees and 135 degrees in the vertical plane. These are about 9-12 db above the horizontal radiation at 90 degrees and 270 degrees. Of course there are sharp nulls of more than 30db at 0 degrees (top of antenna) and 180 degrees (bottom of antenna).

I hope to be able to publish these results (When I get time to write it up) in the journal of the Wireless Institute of Australia in the near future.

Hope this helps.

Phil Clark [VK1PC]	Department of Computer Science,	Phone:
	Australian Defence Force Academy,	+61 6 268 8157
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pgc@csadfa.cs.adfa.oz.au	Canberra, Australia, 2600.	+61 6 268 8581

End of Info-Hams Digest V93 #75
